

Atty. Dkt. No. 040679-1333

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hiroshi AKAMA et al.  
Title: EXHAUST GAS PURIFYING SYSTEM AND METHOD  
Appl. No.: 09/930,279  
Filing Date: 08/16/2001  
Examiner: Unknown  
Art Unit: 3748

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

RECEIVED

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

The relevance of Documents A4-A17 is described in the present specification.

Document A2 relates to an exhaust emission control device for a diesel engine.

Document A3 relates to a diesel particulate collector filter device equipped with a clogging detector.

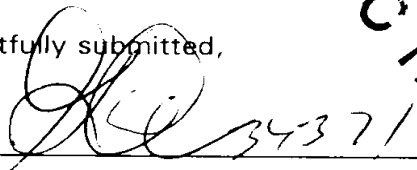
English translations of the foreign-language documents are not readily available. However, the absence of such translations does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). English language abstracts are attached to Documents A2, A3, A4, A5, A6, A7, A9, A10, A11, A12 and A13. Document A5 is a foreign counterpart to Document A1.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

By

  
Richard L. Schwaab  
Attorney for Applicant  
Registration No. 25,479

Date: November 16, 2001

FOLEY & LARDNER  
Washington Harbour  
3000 K Street, N.W., Suite 500  
Washington, D.C. 20007-5109  
Telephone: (202) 672-5414  
Facsimile: (202) 672-5399

RECEIVED  
NOV 18 2002  
IC 1700

Form PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
040679-1333SERIAL NO.  
09/930,279

APPLICANT

Hiroshi AKAMA et al.

FILING DATE

08/16/2001

GROUP ART UNIT

3748

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	4,902,487	02/20/1990	Cooper et al.	423	215.5	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A2	8-338229	12/24/1996	Japan				Abstract
	A3	11-13455	01/19/1999	Japan				Abstract
	A4	61-112716	05/30/1986	Japan				Abstract
	A5	1-318715	12/25/1989	Japan				Abstract
	A6	7-189656	07/28/1995	Japan				Abstract
	A7	8-312331	11/26/1996	Japan				Abstract
	A8	2600492	01/29/1997	Japan				X
	A9	10-290921	11/04/1998	Japan				Abstract
	A10	10-180096	07/07/1998	Japan				Abstract
	A11	11-290624	10/26/1999	Japan				Abstract

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A12	Hideaki UENO et al., "Development of Catalyst for Diesel Engine," TOYOTA Technical Review Vol. 47, No. 2, Nov. 1997, pp. 108-113.
	A13	Ritsuko SHINOZAKI et al., "The Durability of and Evaluation Methods for Diesel Oxidation Catalysts," Society of Automotive Engineers of Japan, No. 103-98, 1998, pp. 13-16.
	A14	J. P. WARREN et al., "Effects of Aftertreatment on Particulate Matter When Using the CRT™ (Continuously Regenerating Trap)," ImechE 1998, S491/006, pp. 2-7.
	A15	B. CARBERRY et al., "A Focus on Current and Future Particulate Aftertreatment Systems," ImechE 1998, S491/007, pp. 57-73.
	A16	Richard STONE, "Introduction to Internal Combustion Engines," Society of Automotive Engineers, Inc., Third Edition, 1999, pp. 598-600
	A17	HONEYCERAM®. NGK Insulators, Ltd., <a href="http://www.ngk.co.jp/english/products/ceramic/c_01.htm">http://www.ngk.co.jp/english/products/ceramic/c_01.htm</a> , July 18, 2000

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.